

Phyllis Beaulieu

From: Liu, Amy [Amy.Liu@dfo-mpo.gc.ca]
Sent: Friday, June 13, 2008 10:06 AM
To: pang_sao@qiniq.com; tlivingston@gov.nu.ca
Cc: Pelley, Keith; craig.broome@ec.gc.ca; Phyllis Beaulieu; broy@gov.nu.ca; Jim Rogers; Itorcheak, Ipeelee; MacDonald, Jeff C&P
Subject: Pangnirtung Emergency Works
Importance: High

Hi Ron.

Fisheries and Oceans Canada received the email from the Nunavut Water Board dated June 12, 2008 regarding the emergency situation in the Hamlet of Pangnirtung which also includes the letter from Dr. Isaac Sobol (Chief Medical Officer) and the letter from Peter Kusugak (INAC inspector). It is my understanding that the collapse of the bridge infrastructure has resulted in the need to deposit sewage into the Duval River. The correspondence also indicates that the temporary measure of depositing sewage into the Duval River will be reviewed at the end of 48 hours from June 10, 2008. **Please provide an update on the results from the engineer on the use of the new bridge and a report on the impact to fish and fish habitat resulting from the deposit of sewage into the Duval River.**

If the proposed works for the bridge results in a harmful alteration, disruption, or destruction of fish habitat, an authorization under section 35(2) of the *Fisheries Act* is required. In order to determine the risk to fish and fish habitat from the bridge works, DFO will require a brief project description and sketch as soon as possible regarding the interim measures for review and approval.

Should the Hamlet of Pangnirtung have plans regarding the long-term solution for the crossing over Duval River, emergency work should be replaced as soon as detailed design is complete and an approval issued. DFO recommends that the detailed plans for the long-term solution be provided and that it indicates the following:

- Description of the proposed works
- Proposed start date, timing and sequencing of construction
- Proposed completion date
- Detailed sediment and erosion control plan
- Proposed dewatering measures to work in the dry
- Proposed materials for bank stabilization including dimensions
- Type of crossing including dimensions (Note: crossings must not result in a barrier to fish migration)
- Cross-sectional drawings indicating the water level and high water mark, original unstable slope and the proposed slope, filter cloth placement (may be used on slopes only)
- Plan view drawing of slope to be stabilized, including length (Note: works should follow the natural shoreline with no straightening of the channel)
- Vehicle access routes
- Vehicle maintenance and refueling areas (these activities should be located a minimum of 30 metres from the watercourse)
- Site restoration details
- Hydraulic information for the creek/river
- Geotechnical information (if applicable)

Section 36(3) of the *Fisheries Act* prohibits the deposit of deleterious substances into waters frequented by fish. This section of the Act is administered by Environment Canada and therefore DFO recommends that their advice be sought relative to the release of sewage into the Duval River. Given the urgency around this situation, I have contacted Environment Canada and have copied them on this message.

6/16/2008

Feel free to contact me if you have any questions.

Regards.

Please note my email has been changed to Amy.Liu@dfo-mpo.gc.ca

Amy Liu

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